| Index of Claims |  |  |  |  |  |  |  |  |  |  |
|-----------------|--|--|--|--|--|--|--|--|--|--|
|                 |  |  |  |  |  |  |  |  |  |  |

Application/Control No.

10/007,887

Examiner

Kuen S. Lu

Applicant(s)/Patent under Reexamination

HOSHI ET AL.

Art Unit

2167

|          | Allowed  |
|----------|----------|
| <b>7</b> | Rejected |

| _ | (Through numeral)<br>Cancelled |
|---|--------------------------------|
| ÷ | Restricted                     |

| N | Non-Elected  |
|---|--------------|
| ı | Interference |

| A | Appeal   |
|---|----------|
| 0 | Objected |

|       |  | ш        | Ь              | _        |          |              | ,            |              | _        | Щ.       |
|-------|--|----------|----------------|----------|----------|--------------|--------------|--------------|----------|----------|
| Cla   | aim  | Date     |                |          |          |              |              |              |          |          |
| Final | Original                                     | 8/9/05   |                |          |          |              |              |              |          |          |
|       | 1  | -        |                |          |          |              |              | İ            |          | П        |
|       | 2  |          |                |          |          |              |              | П            |          | П        |
|       | 3  | -        |                |          |          | Г            |              | Г            |          | П        |
|       | 4  |          |                |          |          |              |              |              |          |          |
|       | 5  | =        | <u> </u>       | Г        | Γ        | Г            | Г            | П            |          |          |
|       | 1<br>2<br>3<br>4<br>5<br>6                   |          |                |          |          |              |              |              |          |          |
|       | 7  |          |                |          |          |              |              |              |          |          |
|       | 8  |          |                |          |          |              |              |              |          |          |
|       | 9  |          |                |          |          |              |              |              |          |          |
|       | 10   |          | <u></u>        |          |          |              |              |              |          | Ш        |
|       | 11   | <u> </u> |                | L        | L        | L            | $oxed{oxed}$ | L            | L        | Ш        |
|       | 12   | <u> </u> |                | <u> </u> | _        |              | _            | _            | _        | Ц        |
|       | 13   |          |                |          | _        |              | _            | _            |          | Ш        |
|       | 14   |          | L              | L        | <u> </u> |              | ┖            | ᆫ            | <u>_</u> | Ш        |
|       | 15   | -        |                |          | <u> </u> | _            | _            | _            | _        | Ш        |
|       | 16   |          |                | <u> </u> | L.       |              | _            | <u> </u>     | <u> </u> | Ш        |
|       | 12<br>13<br>14<br>15<br>16<br>17<br>18<br>19 |          |                |          |          |              |              |              | _        | Щ        |
|       | 18   |          |                | <u> </u> |          | _            | <u> </u>     | _            | L        | Ш        |
|       | 19   | <u> </u> | <u> </u> _     |          | <u> </u> | _            | <u> </u>     | _            | L        | Ш        |
|       | 20   |          | <u> </u>       |          |          | <u> </u>     | L            | _            | L        | Н        |
|       | 20<br>21<br>22                               |          | _              |          |          | L            | <u> </u>     | <u> </u>     | L        | Н        |
|       | 22   |          |                |          | _        | ⊢            | -            | <u> </u>     | H        | Н        |
|       | 23<br>24<br>25                               | <u> </u> |                | <u> </u> |          |              | -            | <del> </del> | _        | Щ        |
|       | 24   | -        | _              | -        | _        | $\vdash$     | ┝            | ├            | $\vdash$ | Н        |
|       | 25   |          |                | ┝        | ┝        | $\vdash$     |              | $\vdash$     |          | Н        |
|       | 26<br>27<br>28                               |          |                | $\vdash$ | $\vdash$ | $\vdash$     |              | -            | $\vdash$ | Н        |
|       | 28   | -        |                | $\vdash$ | $\vdash$ | $\vdash$     | $\vdash$     |              | $\vdash$ | Н        |
|       | 29   | -        | _              | $\vdash$ | -        | _            | _            | _            | $\vdash$ | Н        |
|       | 30   |          |                | $\vdash$ | $\vdash$ | $\vdash$     | $\vdash$     |              |          | H        |
|       | 31   |          | $\vdash$       | $\vdash$ | $\vdash$ | $\vdash$     |              |              | $\vdash$ |          |
|       | 32   | _        | -              | $\vdash$ | 一        | $\vdash$     |              |              | $\vdash$ | $\vdash$ |
|       | 31<br>32<br>33                               |          |                | $\vdash$ | _        |              |              |              |          | Н        |
|       | 34   |          | _              |          |          | <u> </u>     | I            |              |          | П        |
|       | 35   |          | _              |          |          |              |              |              |          |          |
|       | 36   |          | _              |          | _        | Г            |              |              |          |          |
|       | 37   | 1        |                |          |          |              |              |              |          |          |
|       | 38   |          |                |          |          |              |              |              |          |          |
|       | 39   |          |                |          | 匚        |              |              |              |          | $\Box$   |
|       | 40   |          | L.,            |          | _        | L.           | _            |              |          | Ш        |
|       | 41   |          | Ш              | Ш        | _        |              |              |              | L.       |          |
|       | 42   |          |                | L        | _        |              |              | <u> </u>     | Ш        | Ш        |
|       | 43   |          | Ш              | Щ        |          | <u> </u>     |              | _            | L.       | Ш        |
|       | 44   |          | Щ              | $\vdash$ |          | $\vdash$     | <u> </u>     | -            | <u> </u> | Щ.       |
|       | 45   |          |                | <u> </u> | -        | $\vdash$     |              |              | Ш        | Щ        |
|       | 46   |          |                | $\vdash$ | $\vdash$ | $\vdash$     |              | <u> </u>     | <u> </u> | $\vdash$ |
|       | 47   |          | -              |          |          | $\vdash$     | _            |              | <u> </u> | $\vdash$ |
|       | 48   |          | $\blacksquare$ | Н        | -        | <del> </del> | H            | $\vdash$     | $\vdash$ | Н        |
|       | 49<br>50                                     |          | $\vdash$       | Н        | $\vdash$ | <u> </u>     | $\vdash$     | $\vdash$     | $\vdash$ | Н        |
| I     | ונוס   |          |                |          |          |              |              |              |          |          |

| Cla  | aim            |              |                |          |                | Date   | e               |                |              |              |
|--|----------------|--------------|----------------|----------|----------------|--|-----------------|----------------|--------------|--------------|
| Final  | Original       | 8/9/05       |                |          |                |  |                 |                |              |              |
|  | 51             | -            | -              | ┢        | H              | H  | ┢               | $\vdash$       | $\vdash$     | ┢            |
|  | 51<br>52       |              | H              | 一        | $\vdash$       | $\vdash$   | ⊢               | $\vdash$       | $\vdash$     | $\vdash$     |
|  | 53             | -            | $\vdash$       | ┢        | $\vdash$       | $\vdash$   | $\vdash$        | $\vdash$       | ┢            | $\vdash$     |
|  | 54             | <del> </del> | ┝              | $\vdash$ | $\vdash$       | $\vdash$   | ┢               | $\vdash$       | <del> </del> | $\vdash$     |
| -  | 55             |              | $\vdash$       | $\vdash$ | -              | ┝  | -               | <del> </del>   | ┢            | ├            |
| 1-   | 56             |              | $\vdash$       | $\vdash$ | -              | $\vdash$   | $\vdash$        | -              | <del> </del> | -            |
|  | 56<br>57       | -            | -              | -        | -              | $\vdash$   | <del> -</del>   | -              | <del> </del> | <del> </del> |
|  | 58             |              | $\vdash$       | $\vdash$ | -              | -  | $\vdash$        | -              | -            | $\vdash$     |
| <u> </u>   | 59             | H-           | -              | $\vdash$ | -              | -  | $\vdash$        | $\vdash$       | -            | $\vdash$     |
| -  | 60             | -            | $\vdash$       | $\vdash$ | $\vdash$       | $\vdash$   | $\vdash$        | $\vdash$       | $\vdash$     | $\vdash$     |
| -  | 61             |              | $\vdash$       | H        | $\vdash$       | $\vdash$   | H               |                | $\vdash$     | ┢            |
|  | 62             |              | $\vdash$       | H        | H              | H  | $\vdash$        | $\vdash$       | $\vdash$     | ├            |
|  | 62<br>63       |              | H              | H        | $\vdash$       | H  | $\vdash$        | H              |              | -            |
| <del></del>                                      | 64             |              | H              | $\vdash$ | $\vdash$       | $\vdash$   | $\vdash$        | $\vdash$       | $\vdash$     |              |
|  | 64<br>65       |              | -              | -        | $\vdash$       | -  | $\vdash$        | $\vdash$       | $\vdash$     | $\vdash$     |
| $\vdash$   | 66             |              | $\vdash$       | -        | -              | $\vdash$   | $\vdash$        | $\vdash$       | -            | $\vdash$     |
| -  | 67             |              | $\vdash$       | $\vdash$ | -              | -  | -               |                | -            | -            |
|  | 68             | -            | H              | $\vdash$ | $\vdash$       | H  | H               | $\vdash$       |              | <del> </del> |
| <del>                                     </del> | 69             |              |                | H        | $\vdash$       | -  | H               | $\vdash$       | $\vdash$     | -            |
| <u> </u>   | 70             |              | -              | $\vdash$ | $\vdash$       | H  | $\vdash$        | H              | $\vdash$     | ├            |
| <del> </del>                                     | 70<br>71       |              |                | H        | $\vdash$       | H  | $\vdash$        | $\vdash$       | $\vdash$     |              |
|  | 72             |              | $\vdash$       | H        | $\vdash$       | $\vdash$   | Н               | $\vdash\vdash$ | -            | -            |
|  | 72<br>73<br>74 |              | Н              | Н        | $\vdash\vdash$ | Н  | $\vdash$        |                | -            | -            |
| -  | 74             |              |                | <b> </b> |                | <b> </b>   | ш               | $\vdash\vdash$ | $\vdash$     | <u> </u>     |
| <u> </u>   | 74             | $\vdash$     |                | H        | $\vdash$       | $\vdash$   | Ш               | Н              |              | -            |
|  | 75             |              | Ш              | Н        | $\vdash$       | $\vdash\vdash$                                   | Ш               | $\vdash$       | -            | -            |
|  | 76             |              | $\vdash\vdash$ | Ш        | $\vdash$       | $\vdash\vdash$                                   | ш               | ш              | <b>-</b>     | ⊢            |
| 1  | 77             | ==           | Ш              | $\vdash$ | $\vdash$       | $\vdash$   | $\vdash \vdash$ | <b></b>        | -            | <u> </u>     |
| 2  | 78             | ==           | $\vdash$       | Ш        | $\vdash\vdash$ | $\vdash$   | Щ               | $\vdash$       | _            | _            |
| 3  | 79             | ==           | Ш              | $\vdash$ | $\vdash$       | $\vdash$   | $\vdash$        | $\vdash$       | -            | ļ            |
| 5  | 80             | ==           | $\square$      | $\sqcup$ | Н              | ${m \sqcup}$                                     | Щ               | $\vdash$       | $\vdash$     | _            |
| 5  | 81             | ==           | Ш              |          | Ш              | $\sqcup$   | Ш               | Ш              |              |              |
| 6  | 82             | ==           | $\vdash$       |          | Ш              | <del>                                     </del> | Ш               | $\vdash$       |              |              |
| 7  | 83             | ==           | Ш              |          |                |  | Ш               | ш              | Ш            | $\sqcup$     |
| 8  | 84             | ==           | Ш              |          | Ш              | $\square$  | Ш               | ш              | $\sqcup$     |              |
| 9  | 85             | ==           | Щ              | <u> </u> | Ш              | $\square$  | Ш               | Ш              |              |              |
| 10   | 86             | ==           | Щ              |          | Ш              | Ш  | Ш               | Ш              | Ш            | _            |
| 11   | 87             | ᄪ            | Ш              | Щ        | Ш              | $\sqcup$   | Щ               | Щ              | <u></u>      |              |
| 12   | 88             | ==           | Ш              | Щ        | Щ              | Ш  | Щ               | Щ              |              | _            |
| 13   | 89             | ==           | $\sqcup$       | Ш        | Щ              | ш  | Щ               | Ш              | Щ            | Щ            |
| 14   | 90             | ==           | Щ              | Щ        |                | Ш  | Ш               | Ш              |              |              |
|  | 91             |              | Щ              | Щ        | Ш              | Ш  | Щ               |                |              |              |
|  | 92             |              | إلـــا         |          |                | ل_أ  | $\Box$          | لــــآ         | Щ            |              |
|  | 93             |              | ل              | لِــا    |                | لــا   | $\Box$          | $\Box$         | $\Box$       |              |
|  | 94             | $\Box$       | $\Box$         | $\Box$   | $\Box$         | لــا   | $\Box$          |                | $\Box$       |              |
|  | 95             |              |                |          |                |  | $\Box$          |                |              |              |
|  | 96             |              |                |          |                |  |                 |                |              |              |
|  | 97             |              |                |          |                |  |                 |                |              |              |
|  | 98             |              |                |          |                |  |                 |                |              |              |
|  | 99             |              |                |          |                |  |                 |                |              |              |
|  | 100            |              |                |          | $\Box$         | $\Box$   |                 |                | П            |              |

| CI                     | aim  | Date     |               |               |                    |              |              |              |                |                 |
|------------------------|--|----------|---------------|---------------|--------------------|--------------|--------------|--------------|----------------|-----------------|
|                        | i  |          |               |               | Γ                  |              |              | Γ            | Г              | П               |
| -E                     | Original   |          |               | ·             |                    |              |              |              |                |                 |
| Final                  | rig  |          |               | l             |                    |              |              |              |                |                 |
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|                        | 101  | -        | $\vdash$      | ┢             | $\vdash$           | ┢            | -            | ┪            | $\vdash$       | Н               |
|                        | 101<br>102   | ┢┈       | ┢             | -             | -                  | ┢            | -            | ┢            | ╫              | Н               |
| $\vdash$               | 103  | ┝        | ┢             | ┝             | ┢                  | ┢            | ┢            | ┢╾           | ├─             | $\vdash$        |
|                        | 104  | $\vdash$ | -             | $\vdash$      | ┢                  | ┢            | $\vdash$     | ⊢            |                | $\vdash$        |
|                        | 105  | $\vdash$ | $\vdash$      | -             | ├                  | ⊢            | ⊢            | ⊢            | -              | Н               |
| $\vdash$               | 100  | $\vdash$ | ┝             | -             | ⊢                  | ⊢            | ⊢            | ⊢            | -              | Н               |
| $\vdash$               | 106<br>107   | -        | -             | ┝             | ┢                  | ⊢            | ⊢            | -            | ├              | Н               |
| -                      | 108  | ├        | ├             | $\vdash$      | ⊢                  | $\vdash$     |              | ├-           | <del> </del>   | H               |
|                        | 100  | ⊢        | -             | -             | $\vdash$           | ⊢            |              | ⊢            | <u> </u>       | H               |
|                        | 109  | -        | -             | ŀ             | -                  | -            | <del> </del> | ⊢            | ├              | Н               |
| $\vdash$               | 110  |          | <del> </del>  | ├             | -                  | <del> </del> | <del> </del> | <del> </del> | <del> </del> — | $\vdash \vdash$ |
| $\vdash \vdash$        | 111  |          | ├             | ├-            | <del> </del>       | _            |              | _            | <del> </del> — | Щ               |
|                        | 112  |          | <u> </u>      | $\vdash$      | <u> </u>           | <u> </u>     | <u> </u>     | <u> </u>     | <u> </u>       | Щ               |
| <u> </u>               | 109<br>110<br>111<br>112<br>113<br>114<br>115        |          | _             | <u> </u>      | <u> </u>           | <u> </u>     | <u> </u>     | <u> </u>     | <u> </u>       | Щ               |
| <u> </u>               | 114  |          | <u> </u>      | <u> </u>      | <u> </u>           | Ļ_           | <u> </u>     | <u> </u>     | <u> </u>       | Ш               |
|                        | 115  |          | _             | _             | _                  | ┞            | Ŀ            | <u> </u>     | <u> </u>       |                 |
| $\sqcup$               | 116<br>117<br>118<br>119                             |          | <u> </u>      |               | <u> </u>           |              | _            | <u> </u>     | <u> </u>       |                 |
|                        | 117  |          | _             | _             |                    |              |              |              |                | Ш               |
|                        | 118  |          |               | <u> </u>      |                    |              |              |              |                |                 |
|                        | 119  |          |               |               |                    |              |              |              |                |                 |
|                        | 120<br>121<br>122<br>123                             |          |               |               |                    |              |              |              |                |                 |
|                        | 121  |          |               |               |                    |              |              |              |                |                 |
|                        | 122  |          |               |               |                    |              |              |              |                |                 |
|                        | 123  |          |               |               | Г                  |              |              |              |                |                 |
|                        | 124  | _        |               |               |                    |              |              |              |                | $\neg$          |
|                        | 125  |          |               |               | $\vdash$           |              | _            |              |                |                 |
|                        | 125<br>126<br>127<br>128<br>129<br>130<br>131<br>132 |          | $\overline{}$ | $\vdash$      | _                  |              | $\vdash$     | $\vdash$     | _              | $\neg$          |
|                        | 127  |          | _             |               | $\vdash$           |              |              |              |                | $\neg$          |
|                        | 128  | _        | _             | _             | -                  |              | $\vdash$     |              |                | $\vdash$        |
|                        | 129  |          | -             | ┢             | ┢                  | $\vdash$     | $\vdash$     |              |                | $\dashv$        |
|                        | 130  | -        | -             | ┢═            | ┢                  | -            | $\vdash$     | $\vdash$     | _              | $\neg$          |
| $\vdash$               | 131  | $\vdash$ | -             | -             | ┢                  | -            | $\vdash$     | $\vdash$     |                | Н               |
| $\vdash$               | 132  |          |               | <del> </del>  | ┝                  | -            | ┢            | $\vdash$     |                | $\vdash$        |
|                        | 133  |          | -             | ├             | ┢                  | ┝            | ┝            | $\vdash$     | -              | $\dashv$        |
| $\vdash \vdash \vdash$ | 133<br>134   |          | -             | -             | $\vdash$           |              | -            | H            |                | Н               |
| $\vdash \dashv$        | 135  |          | $\vdash$      | -             | $\vdash$           | -            |              | -            |                | Н               |
| ┝─┤                    | 136  |          | $\vdash$      | -             | $\vdash$           | $\vdash$     |              |              | -              | $\dashv$        |
| $\vdash \vdash \vdash$ | 136<br>137<br>138                                    | -        |               | -             | <del> </del>       |              | $\vdash$     | <u> </u>     | $\vdash$       | $\vdash$        |
|                        | 137  | -        | -             | <u> </u>      | <del> </del>       | -            | $\vdash$     | $\vdash$     | <u> </u>       | $\dashv$        |
|                        | 139  |          |               | -             | -                  | -            | $\vdash$     | $\vdash$     | $\vdash$       | $\dashv$        |
|                        | 140  |          | -             | -             | $\vdash$           |              | $\vdash$     | $\vdash$     | $\vdash$       | $\vdash$        |
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|                        | 143  | _        |               | <u> </u>      |                    | _            |              | <u> </u>     | $\vdash$       | Ш               |
| $\vdash$               | 144  |          | _             | $\vdash$      | $\vdash$           | $\vdash$     | <u> </u>     | -            | <u> </u>       |                 |
|                        | 145  |          |               | L_            | <u> </u>           | <u> </u>     |              |              |                | Щ               |
|                        | 146  |          |               | ldash         | Ш                  | Ш            | _            | L.           |                | Ш               |
|                        | 147  |          |               | Ш             |                    |              |              | Ш            |                |                 |
|                        | 148  |          |               | Ш             |                    |              |              |              |                |                 |
|                        | 149  |          |               |               | $oxedsymbol{oxed}$ |              |              |              |                |                 |
| L]                     | 150  |          |               |               |                    |              |              |              |                |                 |